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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/345,668	06/30/1999	JOHN S. DANIEL	36968-179673	1489
7590 MERCHANT & GOULD P.C. P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			EXAMINER LEVITAN, DMITRY	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 07/03/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

09/345,668

**Applicant(s)**

DANIEL ET AL.

**Examiner**

Dmitry Levitan

**Art Unit**

2616

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 June 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,5,7,11-16 and 18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,7,11-16 and 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date \_\_\_\_\_

Amendment, filed 6/02/08, has been entered. Claims 1, 2, 5, 7, 11-16 and 18 remain pending.

***Claim Rejections - 35 USC § 103***

1. Claims 1, 2, 5, 7, 11-16 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Emery (US 6,011,975) in view of Kauser (US 5,724,660).

2. Regarding claims 1, 5, 7, 11, 14 and 16, Emery teaches a method and a telecom system (wireline and wireless integration system, shown on Fig. 2 and 7:52-60) including a wireless system with a mobile switching center (Cellular MC 22 on Fig. 2) and including a wireline network (land line/wireline telephones connected to SSP 11 on Fig. 2 and 11:2-12), wherein wireline units may call each other by using an extension (wired and wireless members of a Centrex group, utilizing an abbreviated dialing method, 24:55-64).

The wireline network has a communication element (Integrated Service Control Point ISCP 40, shown on Fig. 2 and disclosed on 13:49-57) with access to a table with wireline entries including wireline extension and corresponding wireline directory number (ISCP stores data table to provide complete telephone number for wireless and wireline extensions in response to abbreviated dialing 25:38-47 with data fields, inherently including routing and destination numbers 13:31-44, because correlation of routing numbers and destination numbers is essential for the system operation), the system comprises:

A. the table with entries for all wireless units (wireless members of the Centrex group 24:55-64), stored in the communication element (ISCP comprising a data table to provide complete telephone number for wireless and wireline extensions in response to abbreviated dialing 25:38-47),

B. the communication element (ISCP 40, shown on Fig. 2 and described on 12:11-13) comprises the table (data table to provide complete telephone number) and receive routing information data from a service control point to route the call according to the corresponding wireless number based on instructions received from service control point (ISCP routes phone calls through SS7 links, 25:37-47, to the destination according to the abbreviated telephone number and instructions received from STP 31, wherein STP 31 operates as a service control point 25:30-60), the communication element comprises a single element in the communication system (ISCP 40, shown on Fig. 2 as an integrated system/element, 13:49-57),

C. the MSC of the wireless network (Cellular MC 26 on Fig. 2) being connected to the communication element ( ISCP 40 on Fig. 2) and being operative to access table (data table to provide complete telephone number) and route calls (MSC operation is essential to the system, wherein wireless and wireline units are included in the same Centrex Group 24:51-64). The telecom system is a Centrex network where a caller would dial a limited number of digits and the network would access data in the ISCP to determine the complete destination number (24:55-64).

In addition, Emery teaches abbreviated dialing, as disclosed on 24:50-64, and using four digits dialing to utilize Centrex services, as disclosed on 10:55-67, wherein abbreviated dialing inherently comprises dialing of a group of last digits in a telephone number.

Emery does not teach storing the table at MSC and using odd numbers for wireline customers and even numbers for distinguishing wireline and wireless customers.

Kauser teaches importance of identifying the location of a mobile telephone for emergency services, as disclosed on 1:20-50, as the location of wireless /mobile telephone cannot be identified as a location of conventional land-line telephone.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to store a copy of the connection table at MSC in addition to the ISCP in the system of Emery to improve the system reliability by storing the connection table at a different location to keep the wireless portion of the system operational in the case of the communicational element failure and add using different numbering schemes to identify a wireless user for initiating the location search procedures of Kauser to the system of Emery, wherein using even numbers for identification of wireless users is a design choice, as odd numbers or numbers ending with "3" or "5" can work in the system as well.

3. Regarding claim 2, Emery teaches a telecom system, which includes wireline and wireless units (Fig. 2) where each unit can call the other using an extension (Centrex Group 24:55-64).
4. Regarding claims 12 and 18, Emery teaches a telecom system, wherein the wireless and wireline telephones utilize abbreviated numbers to communicate with each other (centrex services 10:46-64), and the communication element receives appropriate extensions and finding correlated entry for the complete number in the communication table (ISCP communication table operation 25:37-60). Also, the objection of the Emery system is to provide the same services to land based and wireless customers 7:53-61, therefore the centrex service between the wireless customers, as claimed in 18 is achieved in the Emery system by utilizing the same table and the same operation, as described above (see claims 1, 7 and 11 rejection).

5. Regarding claims 13 and 15, Emery teaches a telecom wireline and wireless integration Centrex system (see rejection of claim 1 above for details), including the communication table to convert centrex extensions into complete telephone numbers.

Emery does not teach storing the table in a distributed scheme at each end office, PBX and MSC.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to store the table in a distributed scheme at each end office, PBX and MSC in the system of Emery to improve the system connection setup time for all customers and the system reliability, because the distributed scheme will reduce the setup time by faster extension to destination number conversion and a failure of one of the tables will not fail all the Centrex Group.

#### ***Response to Arguments***

1. Applicant's arguments with respect to claims 1, 2, 5, 7, 11-16 and 18 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Levitan whose telephone number is (571) 272-3093. The examiner can normally be reached on 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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